

CLAIMS

What is claimed is:

1. A silt retention sheet comprising:

a water-permeable non-woven web; and,

at least one reinforcing element attached to said water-permeable non-woven web at a predetermined location for receiving a fastener for attaching the silt retention sheet to a support member.
2. The silt retention sheet of claim 1, wherein said water-permeable non-woven web comprises spun bond polyester.
3. The silt retention sheet of claim 1, wherein said reinforcing element comprises a woven or non-woven band.
4. The silt retention sheet of claim 3, wherein said band comprises a plurality of reinforcing strands.

5. The silt retention sheet of claim 4, wherein said plurality of reinforcing strands comprises fiberglass.

6. The silt retention sheet of claim 1, further comprising a second water-permeable web layered on said first water-permeable non-woven web.

7. The silt retention sheet of claim 6, wherein at least one reinforcing element is disposed between a portion of said water-permeable non-woven web and a portion of said second water-permeable non-woven web.

8. A silt retention sheet comprising:

a first water-permeable web;

a second water-permeable web layered on said first water-permeable web; and,

at least one reinforcing element disposed between a portion of said first water-permeable web and a portion of said second water-permeable web.

9. The silt retention sheet of claim 8, wherein at least one of said first and said second water-permeable webs is non-woven.

10. The silt retention sheet of claim 9, wherein said non-woven web comprises spun-bond polyester.

11. The silt retention sheet of claim 8, wherein said at least one reinforcing element comprises a plurality of reinforcing bands positioned at spaced locations along said first and second water-permeable webs.

12. The silt retention sheet of claim 8, and wherein said at least one reinforcing element comprises a series of strands woven or spun to form a band.

13. The silt retention sheet of claim 12, further comprising an array of reinforcing bands applied at selected portions of said first water-permeable web.

14. A silt retention sheet comprising:

a first water-permeable non-woven web;

a second water-permeable non-woven web layered on said first water-permeable non-woven web; and,

a plurality of reinforcing elements disposed at selected locations between said first water-permeable non-woven web and said second water-permeable non-woven web.

15. The silt retention sheet of claim 14, wherein said reinforcing elements each compose a series of woven or spun strands of a reinforcing material extending along said first and said second water-permeable non-woven webs.

16. The silt retention element of claim 14, wherein said plurality of reinforcing elements are aligned parallel to each other.

17. The silt retention element of claim 14, wherein said first and said second water-permeable non-woven webs comprise spun bond polypropylene.